

Twisted spin^c bordism and twisted K -homology

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Abstract:

In our talk we present a twisted analogue of a result of Hopkins and Hovey who show that the functor which associates to a space X the graded abelian group $\Omega^{\text{spin}}_*(X) \otimes_{\Omega^{\text{spin}}_*} KO_*$ (pt) yields a geometric description of $KO_*(X)$. Our analogue for twisted K -theory also gives further inside to a Brown-Douglas approach to twisted K -homology. The results are joint work with Baum, Khorami and Schick.

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